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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/715,600	11/19/2003	Shigetomo Tsujihata	Q78466	6440
23373 SUGHRUE MI	7590 07/10/200 ON, PLLC	EXAMINER		
2100 PENNSYLVANIA AVENUE, N.W. SUITE 800 WASHINGTON, DC 20037			HESS, BRUCE H	
			ART UNIT	PAPER NUMBER
			1794	
			MAIL DATE	DELIVERY MODE
			07/10/2009	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)			
Office Action Comments	10/715,600	TSUJIHATA ET AL.			
Office Action Summary	Examiner	Art Unit			
	Bruce H. Hess	1794			
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply					
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).					
Status					
1)⊠ Responsive to communication(s) filed on <u>02 A</u>	pril 2009				
	action is non-final.				
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	closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.				
closed in accordance with the practice under E	A parto Quayro, 1000 C.D. 11, 10	0.0.210.			
Disposition of Claims					
 4) Claim(s) 1 and 6-10 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) Claim(s) is/are allowed. 6) Claim(s) 1 and 6-10 is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and/or election requirement. 					
Application Papers					
9)☐ The specification is objected to by the Examiner.					
10)☐ The drawing(s) filed on is/are: a)☐ accepted or b)☐ objected to by the Examiner.					
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).					
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).					
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.					
Priority under 35 U.S.C. § 119					
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 					
Attachment(s) 1) Notice of References Cited (PTO-892)	4) ☐ Interview Summary	(PTO-413)			
Notice of Draftsperson's Patent Drawing Review (PTO-948) Paper No(s)/Mail Date					

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1. Claims 1 and 6-10 are rejected under 35 U.S.C. 103(a) as being unpatentable over either of the patents to Katoh et al. or Yasuda et al.

In addition to the teachings of these references set forth in the last Office action, it is noted that both references also suggest a mixture of cationic resins that can include applicants' units of Formulae (1) and (2). See Katoh et al. at column 2, lines 60 and 61; column 3, lines 1-21; and column 17, lines 1-18 wherein at least two cationic polymers having a quaternary ammonium salt can be copolymerized with styrene (i.e., applicants' Q and Z) and methyl methacrylate (i.e., applicants' Q). See Yasuda et al. at column 4, lines 40-column 5, line 51 and column 6 lines 35-51 wherein at least one (i.e., two) cationic comonomer having an ethylenically unsaturated hydrocarbon radical and a quaternary ammonium radical of formula (I) can be employed. The Q in Yasuda et al. can be an arylene radical having an alkylene substituent while the comonomer can be ethyl methacrylate (i.e., applicants' Q), vinyl chloride (i.e., applicants' Q) or styrene (i.e., applicants' Q and Z).

This rejection will not be made final since claim 3 was omitted from the rejections in the last Office action.

2. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Bruce H. Hess whose telephone number is (571)-272-1525. The examiner can normally be reached on Flexible Work Schedule.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kevin Bernatz, acting SPE for Carol Chaney can be reached on (571)-272-

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1505. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Bruce H Hess Primary Examiner Art Unit 1794

/Bruce H Hess/ Primary Examiner, Art Unit 1794